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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	Application Number	09/804,792	
	Filing Date	03/14/2001	
	First Named Inventor	PORAMASTE JINUPUN	
	Group Art Unit	2834	
	Examiner Name		
Total Number of Pages in This Submission	27	Attorney Docket Number	

ENCLOSURES (check all that apply)		
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<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	The documents consist of: 1) Amended Description, 19 Pages. 2) Letters relate to the patent application, 3 letters (8 pages)	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	PORAMASTE JINUPUN
Signature	Poramaste Jinupun
Date	15 <sup>th</sup> April 2002

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# 4/2834  
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Application No: **09/804,792**  
Title: **Multi-Circular Flux Motor**  
Group Art Unit: **2834**  
15<sup>th</sup> April 2002

Dear Sir/Madam

The reason of this letter is to clarify of the amendments. The first amendment is amended claims, sent to the US Patent Office with payment on 7<sup>th</sup> February 2002 (set out by the UK Patent Office suggestion, letter dated on 17<sup>th</sup> October 2001). And the second amendment is amended description, has been sending to the UK and US Patent Office on 15<sup>th</sup> April 2002 (set out by the UK Patent Office suggestion, letter dated on 11<sup>th</sup> April 2002). My attention is to update the patent application in UK and US to be the same information, I therefore would like to state that all information changes are under the UK Patent Office suggestion because I am aware of no additional technical information. I follow all UK Patent Office requirements to ensure the patent application will be issued without any further problem because the patent application bases on the UK Patent Application number **GB 0022600.1** with the title name **Multi-Circular Flux Motor**.

Best Regard

*Poramaste Jinupun*

Poramaste Jinupun

**Note:** I attached the UK Patent Office suggestion, letter dated on 17<sup>th</sup> October 2001 and letter dated on 11<sup>th</sup> April 2002.



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Your Reference:  
Application No: GB 0022600.1

17 October 2001

Dear Mr Jinupun

**Patents Act 1977: Examination Report under Section 18(3)**

**Title: Multi-Circular Flux Motor**

Latest date for reply: 22 Aug 2002

I have considered your request in your letter of 10 March 2001 and in view of your comments I agree to assist you in drafting your claims and any consequential descriptive revision. However, you should be aware of the status of examples or advice from the office. The position is set out below

Any examples of claims etc sent are prepared purely as guidance in revising your specification and set out some possible drafting arrangements to render your claims/description in an appropriate form.

It is pointed out that the wording of any claim submitted to the office is solely the applicants responsibility and suggested wording in the claims/description is merely for the purpose of example.

However, if you are satisfied that the example text reflects your intentions and suits your purposes, I am happy, on written request, to incorporate such example amendments as you request directly into your specification within the office to save you retyping pages.

At the present time I have considered only the format of the claims. Please see the

*Poramaste Jinupun*  
*15 April 2002*



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Application No: GB 0022600.1

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17 October 2001

attached comments and the set of example claims which will hopefully clarify a way of drafting so that the scope of the claims may be properly understood. The question of any revision of the description can be deferred until the claims are settled on.

#### Addressing correspondence

All correspondence should be addressed to the Comptroller.

While my e-mail address is provided above, you should note that the Office is unable to accept documents, such as amendments to the specification, transmitted by e-mail. Your official response to my report must therefore be delivered by post, fax or hand. However, you may use e-mail if you have any questions about the report or the processing of the application.

#### Consequence of failing to reply

The application may be refused unless you reply to this report by the date set.

Yours sincerely

John Cockitt  
Examiner

*Drumstick  
to April 2002*



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Your ref:

Application No: GB 0022600.1

Applicant: Poramaste Jinupun

Latest date for reply: 22 Aug 2002

Examiner: John Cockitt

Tel: 01633 814974

Date of report: 17 October 2001

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## Patents Act 1977

### Examination Report under Section 18(3)

Please find attached an example set of claims.

In drafting these claims I have tried to retain the scope of the individual claims to broadly match the amended set of claims filed by yourself on 12 October 2000.

1. You will note that rather than producing independent claims for the toothed stator/toothed rotor embodiments I have produced a claim which covers relatively moving assemblies and introduced the concept of rotor/stator in claims 4 and 5. Additionally, the options set out in the last paragraph of the original claim 1 now form appendant claims 2 and 3 which relate separately to these aspects
2. I have tried to simplify the section of claim 1 on flux direction since it would appear that left and right hand aspect of the loops and the presence of odd and even teeth must be deducible from the new passage in the example claim 1 lns 10-14. Also the claim has been revised to indicate that the flux loops etc are only present when the arrangement is in use.
3. Claims 6-10 of the example version are intended to cover the various options set out in the original claims 3-5 whilst the original claim 6 corresponds to the example claim 12.
4. Claims 13-15 of the example version are intended to cover the various options set out in the original claim 7. Claims 16,17 of the example version are intended to cover the various options set out in the original claim 8. Claims 18,19 of the example version are intended to cover the various options set out in the original claim 9. Claim 20 covers the aspect common to the all original claims 7-9 ie the low ripple aspect. All these claims have been rejigged so that they relate to an apparatus per se rather than a method of design.

In respect of these claims I have not included the statement of the example number of poles other than any odd/even restriction since they can be any number. Similarly the example of number of stator teeth would appear to be rendered unnecessary by the statement imposing the integral restriction. This also applies to the configuration examples since they are deducible from the general formula for stroke angle. If you feel that these examples add to what is already implied in the claim then you could add them as further depending claims.

Please note that new claims 15,17,19 are specifically limited to 3 phase arrangement since as I understand your disclosure, the  $\frac{2}{3}$  constant in the expressions is only relevant to a three phase machine. This would be different for four or five phase etc.

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Application No: GB 0022600.1

Date of Report: 17 October 2001  
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[ Examination Report contd. ]

5. Example claims 21 -23 correspond to the disclosure of the original claims 11 and 12 whilst the original claim 10, in the same manor as the original claim 2 is no longer necessary since this is covered by the inclusion of example claims 4 and 5.

### Your Action

6. You need to consider the examples carefully and taking into account the comments in paras 1-5 above and then decide whether you wish to draft new of further claims to clearly set out your intended monopoly or use the example claims in your application.

**If however you decide to use the claims set out in the example you must satisfy yourself that they truly reflect your intended invention. Your attention is particularly drawn to paragraphs 2-4 of the covering letter.**

7. Having decided on your course of action you will need either -

To file appropriate copies of amended claims; or

If you wish to use the example claims in their present form let me know in writing that this is your intention and I will prepare appropriate copies to replace the amended claims filed on the 12 March 2000.

Alternatively you may wish to file a combination of new claims and example claims if you feel that the latter do not cover all the aspects of your invention you wish to claim.

8. Any of these courses will constitute a reply to the official letter dated 2 March 2001 and I will then consider the description in the light of the replacement claims.

*Manasse Symon*  
*3 April 2002*